

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/006182

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 E21B7/20

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 503 236 A (TIBBITTS GORDON A) 2 April 1996 (1996-04-02) column 11, lines 40-49 column 12, lines 6-8 figure 8	1-8, 19, 20, 22-24
A	US 4 226 288 A (COLLINS JR EARL R) 7 October 1980 (1980-10-07) figure 10	1
A	US 5 135 060 A (IDE RUSSELL D) 4 August 1992 (1992-08-04) figures 13-15	1
A	US 2002/134586 A1 (BAIRD BILLY CARR) 26 September 2002 (2002-09-26) the whole document	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

5 August 2004

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17/08/2004

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Information on patent family members

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